

Mycobacterium tuberculosis*, Strain H37Rv, Purified Lipoarabinomannan (LAM)*Catalog No. NR-14848**

This reagent is the tangible property of the U.S. Government.

Product Description:

NR-14848 is a preparation of the lipoarabinomannan (LAM) derived from the cell wall of irradiated *Mycobacterium tuberculosis*, strain H37Rv. LAM possesses many biological activities including immunogenicity, induction of TNF and the release of other cytokines, and inhibition of antigen processing. The nonreducing termini of H37Rv LAM are extensively capped with mannose.

Lot: 70065748**Manufacturing Date: 19MAR2024**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 24.Rv.3.19.LAM is attached.

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by the contractor to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

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WORK SHEET FOR LIPOARABINOMANNAN

General Information

BEI Catalog Number: NR-14848 batch 70065748
CSU Lot Number: 24.Rv.3.19.LAM
Species: *Mycobacterium tuberculosis*
Strain: H37Rv

Purification Information

Starting material (lot #): 18.Rv.2.8.8.9.WCg.b
Cells Irradiated: Yes
Viability Test Performed: No Viable Organism Detected
Cell amount (wet weight): 59.2 g
Protocol used (SOP #): PP015.7, PP016.8, and PP017.3
Date started: 01/23/2024
Date completed: 03/19/2024
Notebook; pages Rebecca Staudenmaier NB#2 pgs. 43-48, Megan Stookey NB#4 pgs. 21-28, 31, 33, 34, 36-42
Additional notes (if applicable): N/A

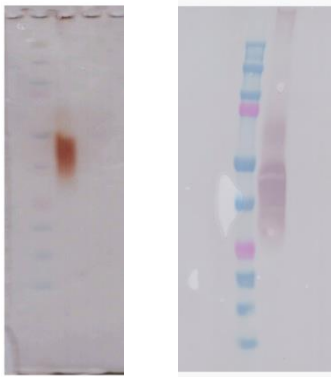
Quality Control Information

NMR results: <u>Pass</u>	Notebook and page(s): <u>Megan Stookey Notebook 4 pg: 40</u>
Endotoxin assay used: <u>EndoZyme II</u>	Notebook and page(s): <u>Megan Stookey Notebook 4 pgs: 34, 37</u>
Endotoxin amount: <u>0.096 ng/mg</u>	Notebook and page(s): <u>Megan Stookey Notebook 4 pgs: 41, 42</u>
GC results: <u>6.660 mg/ml</u>	Notebook and page(s): <u>Megan Stookey Notebook 4 pg: 42</u>
Total amount of LAM: <u>23.67 mg</u>	Notebook and page(s): <u>Megan Stookey Notebook 4 pg: 42</u>
Silver stain date: <u>03/16/2024</u>	Notebook and page(s): <u>Megan Stookey Notebook 4 pg: 42</u>
Western blot date: <u>03/16/2024</u>	
Antibody used: <u>CS-35</u>	
Amount Loaded on gels: <u>3 ug</u>	

QC Gel and Blot:

Silver CS-35

Aliquot Information:



*Aliquot information reflects those made at the time of QC. Bulk aliquots will be broken down as needed.

47 vials x 0.5 mg
1 vial x 0.166 mg

Megan Stookey 3/26/2024
Research Associate Date

RA Staudenmaier 3/26/2024
Laboratory Supervisor Date